Mark Morris, P.E.

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The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 39989
JOB: 23-4639-F01
JOB NAME: LOT 0.0044 HONEYCUTT HILLS
Wind Code: N/A
Wind Speed: Vult= N/A
Exposure Category: N/A
Mean Roof Height (feet): N/A
These truss designs comply with IRC 2015 as well as IRC 2018.
17 Truss Design(s)

Trusses:

F101, F102, F103, F104, F109, F110, F111, F112, F113, F115, F117, F118, F119, F123, F124, F126, F127

7/13/2023
Mark Morris

Warning !—Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F101	GABLE	1	1	Job Reference (optional) **# 39989**

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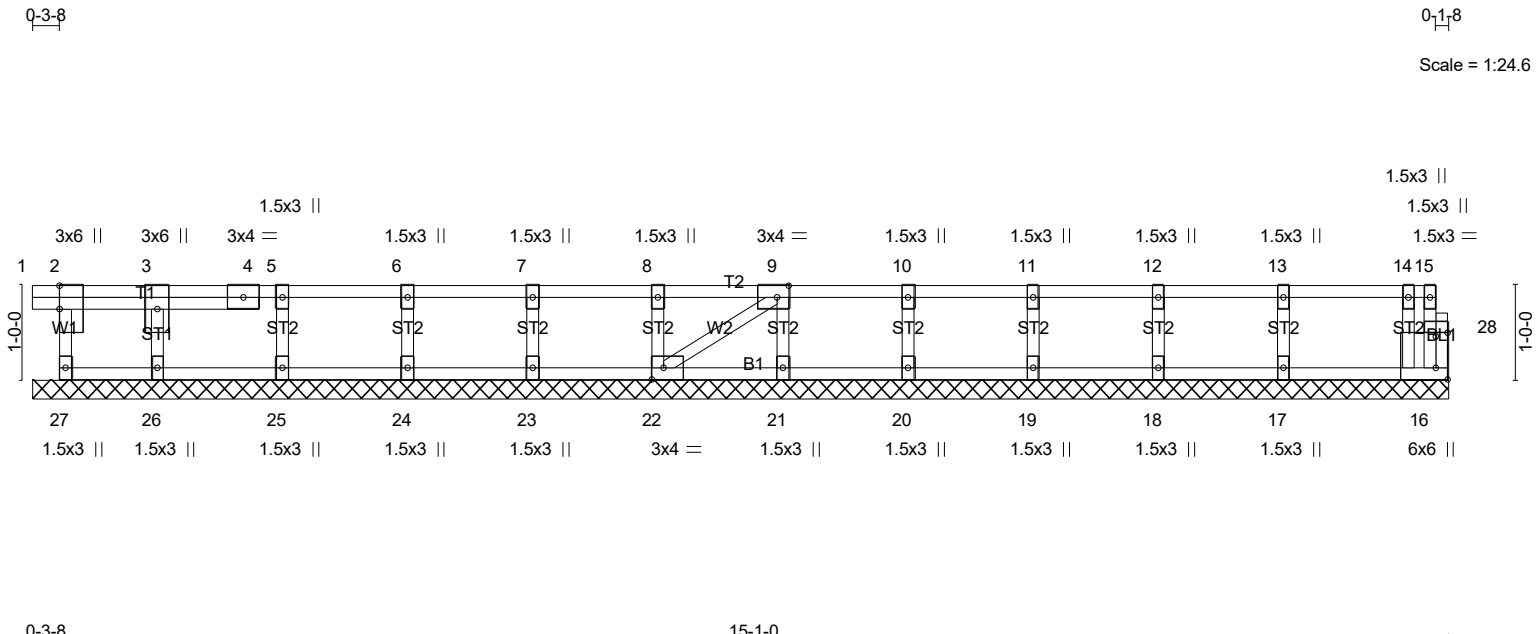

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [9:0-1-8,Edge], [16:Edge,0-1-8], [22:0-1-8,Edge], [28:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	1	n/r	80		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	16	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-1-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 27, 16, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F102	Floor	9	1	Job Reference (optional) **# 39989**

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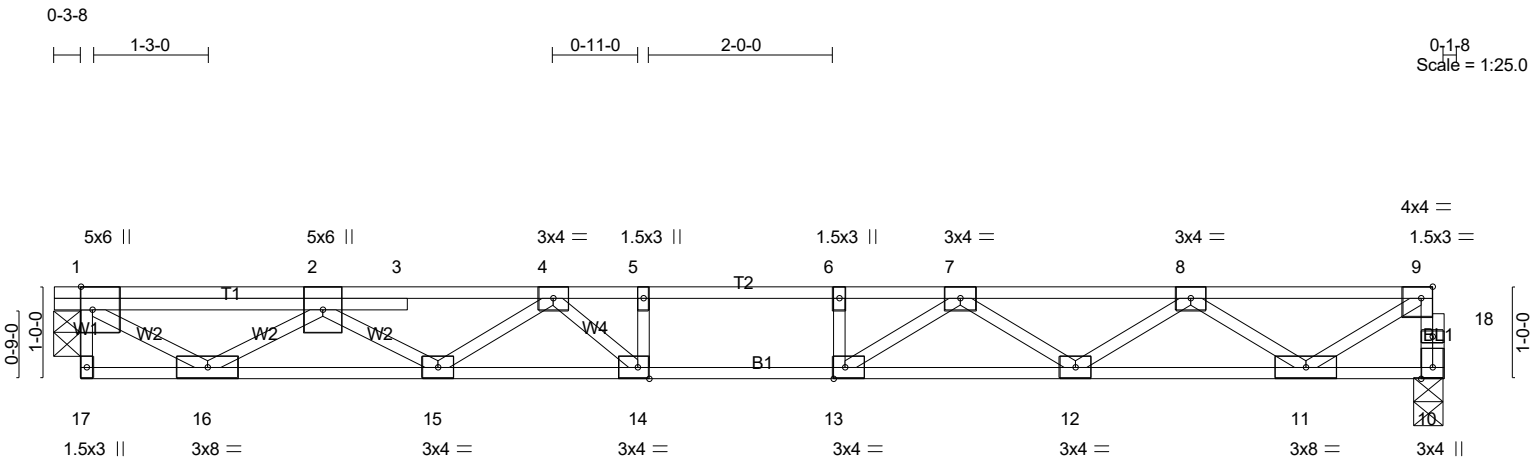

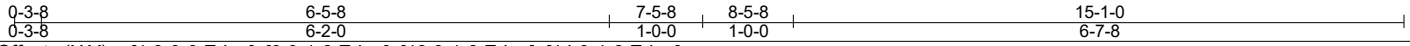

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [9:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.19	13	>906	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.27	13	>659	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=797/0-4-0 (min. 0-1-8), 1=803/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-18=-791/0, 9-18=-789/0, 1-2=-1082/0, 2-3=-2587/0, 3-4=-2580/0, 4-5=-3293/0, 5-6=-3293/0, 6-7=-3293/0, 7-8=-2573/0, 8-9=-1086/0
BOT CHORD 15-16=0/2078, 14-15=0/3020, 13-14=0/3293, 12-13=0/3062, 11-12=0/2040
WEBS 5-14=-325/0, 1-16=0/1273, 2-16=-1188/0, 2-15=0/598, 4-15=-537/0, 4-14=0/635, 9-11=0/1237, 8-11=-1165/0, 8-12=0/651, 7-12=-596/0, 7-13=-36/577

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
4) CAUTION, Do not erect truss backwards.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F103	Floor	5	1	Job Reference (optional) **# 39989**

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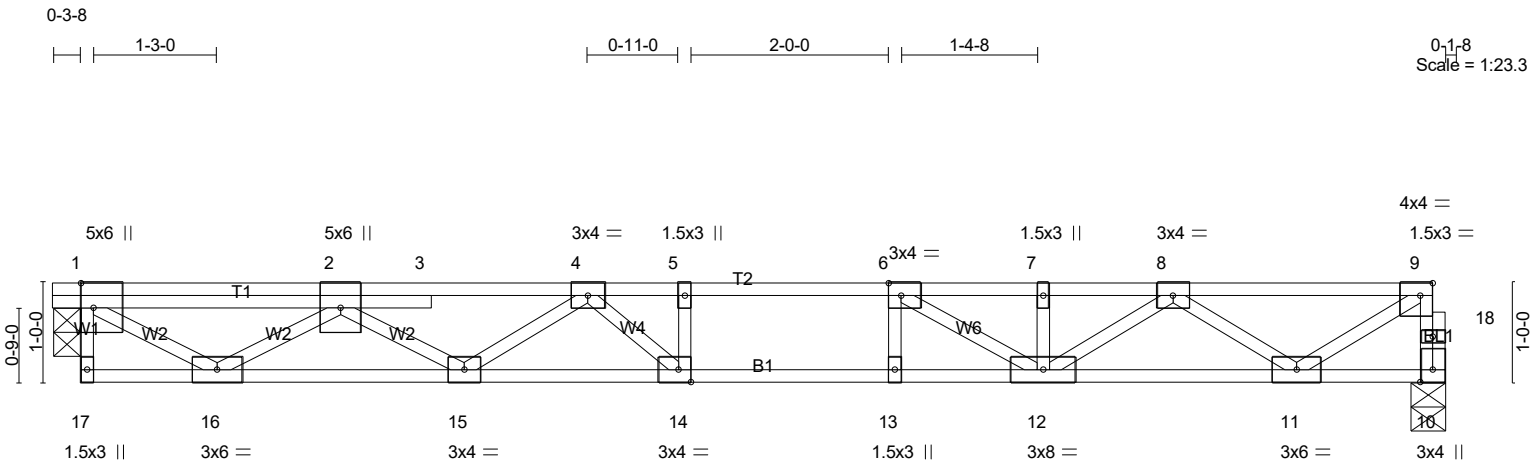

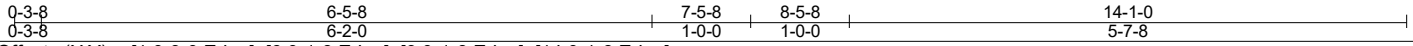

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [6:0-1-8,Edge], [9:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.15	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.21	14	>781	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.01	10	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 72 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=742/0-4-0 (min. 0-1-8), 1=748/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-18=-738/0, 9-18=-736/0, 1-2=-994/0, 2-3=-2353/0, 3-4=-2346/0, 4-5=-2850/0, 5-6=-2850/0, 6-7=-2373/0, 7-8=-2373/0, 8-9=-997/0
BOT CHORD 15-16=0/1912, 14-15=0/2701, 13-14=0/2850, 12-13=0/2850, 11-12=0/1862
WEBS 1-16=0/1169, 2-16=-1095/0, 2-15=0/517, 4-15=-434/0, 4-14=-65/484, 9-11=0/1135, 8-11=-1056/0, 8-12=0/614, 6-12=-758/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
4) CAUTION, Do not erect truss backwards.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F104	GABLE	1	1	# 39989
					Job Reference (optional)

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0-1-8

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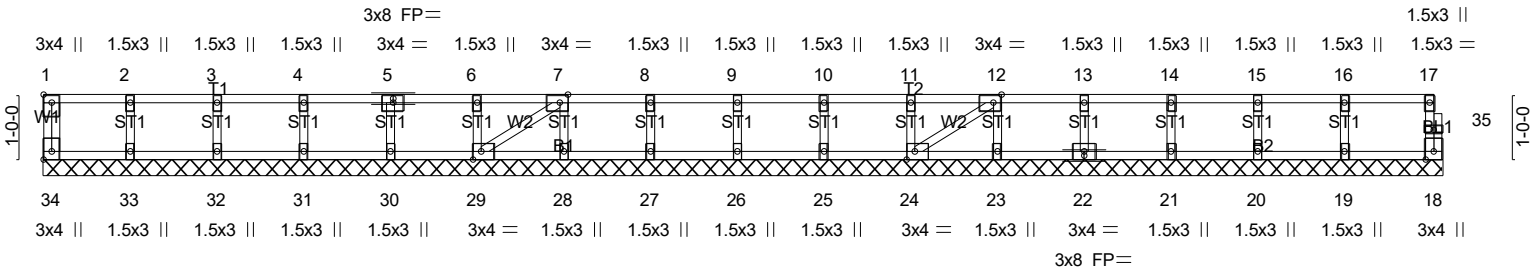

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [12:0-1-8,Edge], [24:0-1-8,Edge], [29:0-1-8,Edge], [34:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 89 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 21-6-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F109	GABLE	1	1	Job Reference (optional) **# 39989**

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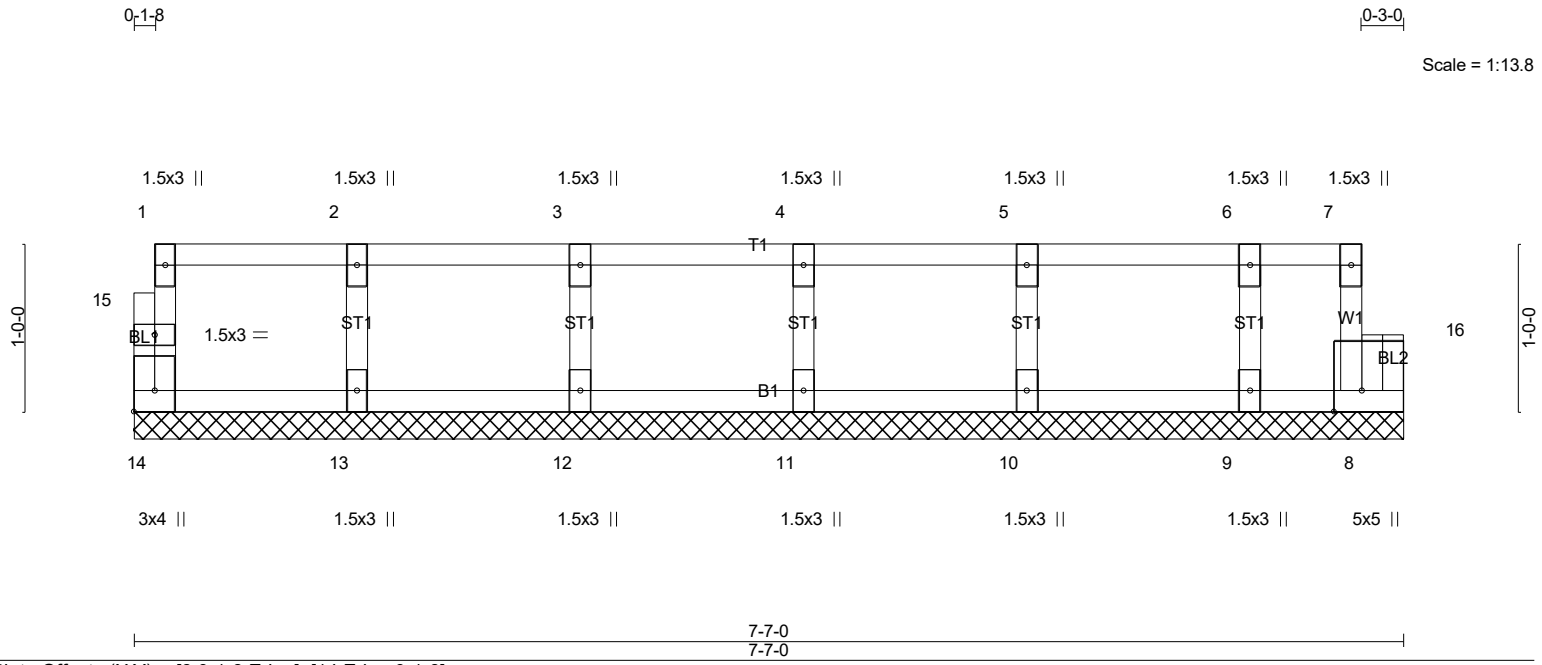

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							Weight: 32 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F110	Floor	4	1	Job Reference (optional) **# 39989**

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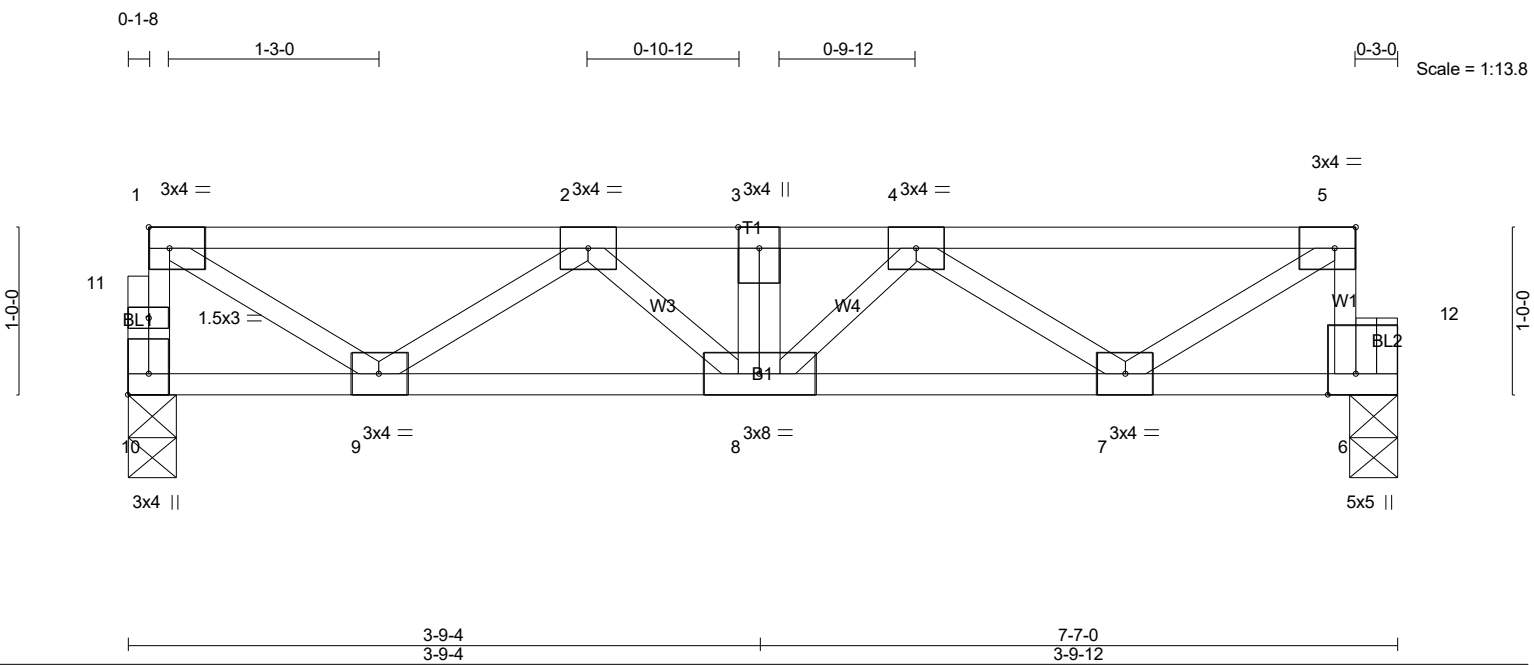

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge], [10:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.02	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.03	8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-P							Weight: 40 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=429/0-3-8 (min. 0-1-8), 6=426/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-425/0, 1-11=-425/0, 6-12=-421/0, 5-12=-423/0, 1-2=-562/0, 2-3=-1221/0, 3-4=-1222/0, 4-5=-587/0
BOT CHORD 8-9=0/1049, 7-8=0/1069
WEBS 3-8=-277/0, 1-9=0/639, 2-9=-594/0, 5-7=0/633, 4-7=-589/0

NOTES- (5)
1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
2) CAUTION, Do not erect truss backwards.
3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 334 lb down at 3-9-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-10=-7, 1-5=-67
Concentrated Loads (lb)
Vert: 3=-334(F)

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F111	GABLE	1	1	Job Reference (optional) **# 39989**

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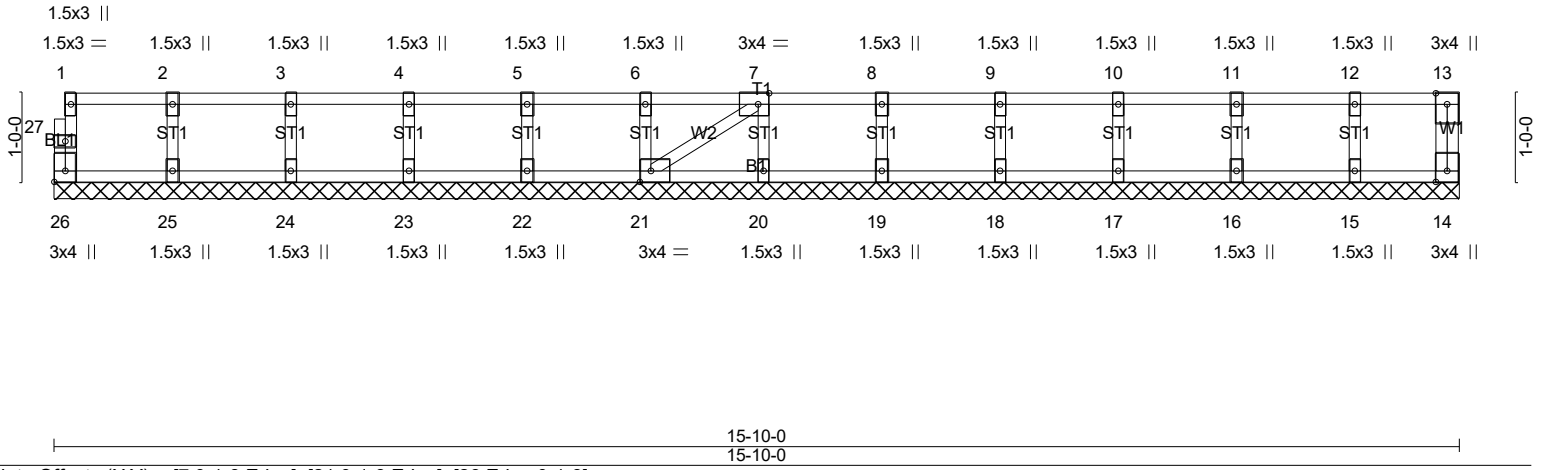

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [21:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 65 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-10-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F112	Floor	7	1	Job Reference (optional) **# 39989**

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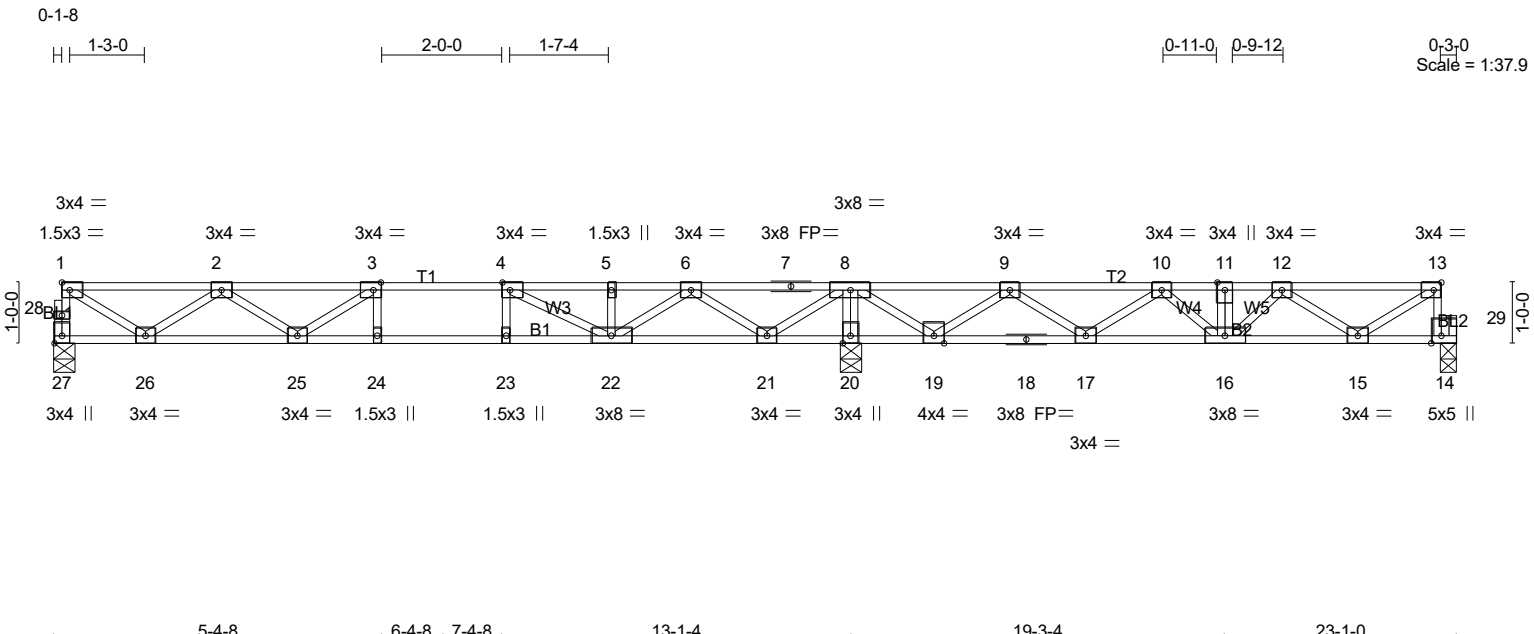

5-4-8	6-4-8	7-4-8	13-1-4	19-3-4	23-1-0
5-4-8	1-0-0	1-0-0	5-8-12	6-2-0	3-9-12

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [27:Edge,0-1-8]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.08	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.11	24-25	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 114 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 27=381/0-4-0 (min. 0-1-8), 14=441/0-3-8 (min. 0-1-8), 20=1170/0-4-8 (min. 0-1-8)
Max Grav 27=407(LC 3), 14=494(LC 4), 20=1170(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 27-28=-402/0, 1-28=-401/0, 14-29=-489/0, 13-29=-490/0, 1-2=-532/0, 2-3=-1163/0, 3-4=-1273/0, 4-5=-814/125, 5-6=-814/125, 6-7=0/651, 7-8=0/651, 8-9=-3/633, 9-10=-1027/171, 10-11=-1504/0, 11-12=-1505/0, 12-13=-697/0
BOT CHORD 25-26=0/996, 24-25=0/1273, 23-24=0/1273, 22-23=0/1273, 21-22=-296/401, 20-21=-1284/0, 19-20=-1284/0, 18-19=-386/645, 17-18=-386/645, 16-17=0/1384, 15-16=0/1275
WEBS 8-20=-1144/0, 1-26=0/604, 2-26=-568/0, 8-21=0/855, 6-21=-783/0, 6-22=0/545, 4-22=-658/0, 13-15=0/754, 12-15=-705/0, 12-16=-4/315, 8-19=0/925, 9-19=-861/0, 9-17=0/565, 10-17=-533/0, 11-16=-305/0

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 334 lb down at 19-3-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-7, 1-13=-67
Concentrated Loads (lb)
Vert: 11=-334(F)

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F113	Floor	2	1	# 39989
					Job Reference (optional)

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sat Jul 15 14:53:49 2023 Page 1
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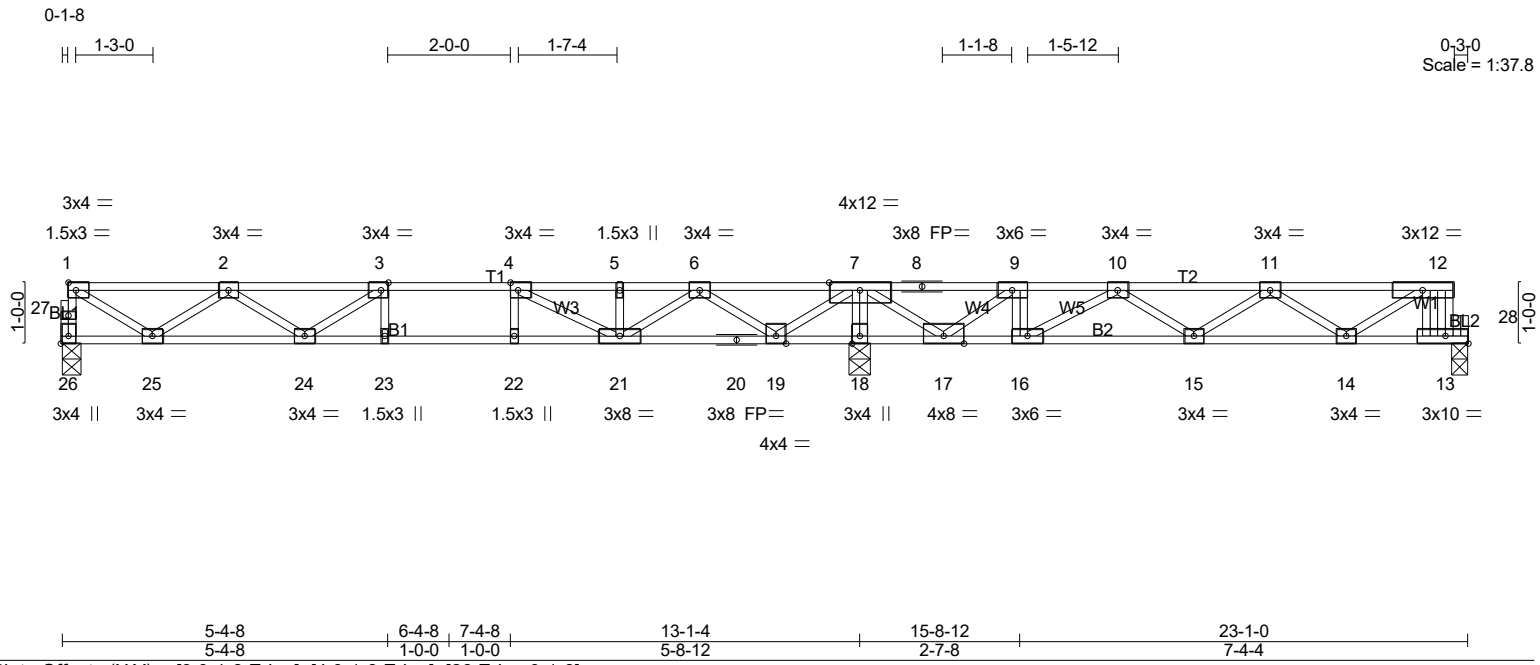

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.08	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.11	23-24	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 116 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 26=355/0-4-0 (min. 0-1-8), 13=1297/0-3-8 (min. 0-1-8), 18=1792/0-4-8 (min. 0-1-8)
Max Grav 26=400(LC 3), 13=1351(LC 4), 18=1792(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 26-27=-395/0, 1-27=-394/0, 13-28=-1345/0, 12-28=-1350/0, 1-2=-521/0, 2-3=-1132/0, 3-4=-1223/71, 4-5=-738/395, 5-6=-738/395, 6-7=0/988, 7-8=-545/488, 8-9=-545/488, 9-10=-2023/3, 10-11=-1708/0, 11-12=-884/0
BOT CHORD 24-25=0/976, 23-24=-71/1223, 22-23=-71/1223, 21-22=-71/1223, 20-21=-601/315, 19-20=-601/315, 18-19=-1647/0, 17-18=-1647/0, 16-17=-3/2023, 15-16=0/1943, 14-15=0/1444
WEBS 7-18=-1751/0, 1-25=0/592, 2-25=-556/0, 7-19=0/887, 6-19=-820/0, 6-21=0/588, 4-21=-756/0, 7-17=0/1997, 9-17=-1885/0, 10-15=-286/51, 11-15=-17/323, 11-14=-683/0, 12-14=0/801

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 934 lb down at 15-8-12, and 867 lb down at 22-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 13-26=-7, 1-12=-67
Concentrated Loads (lb)
Vert: 9=-934(F) 12=-867(F)

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F115	Floor	9	1	Job Reference (optional) **# 39989**

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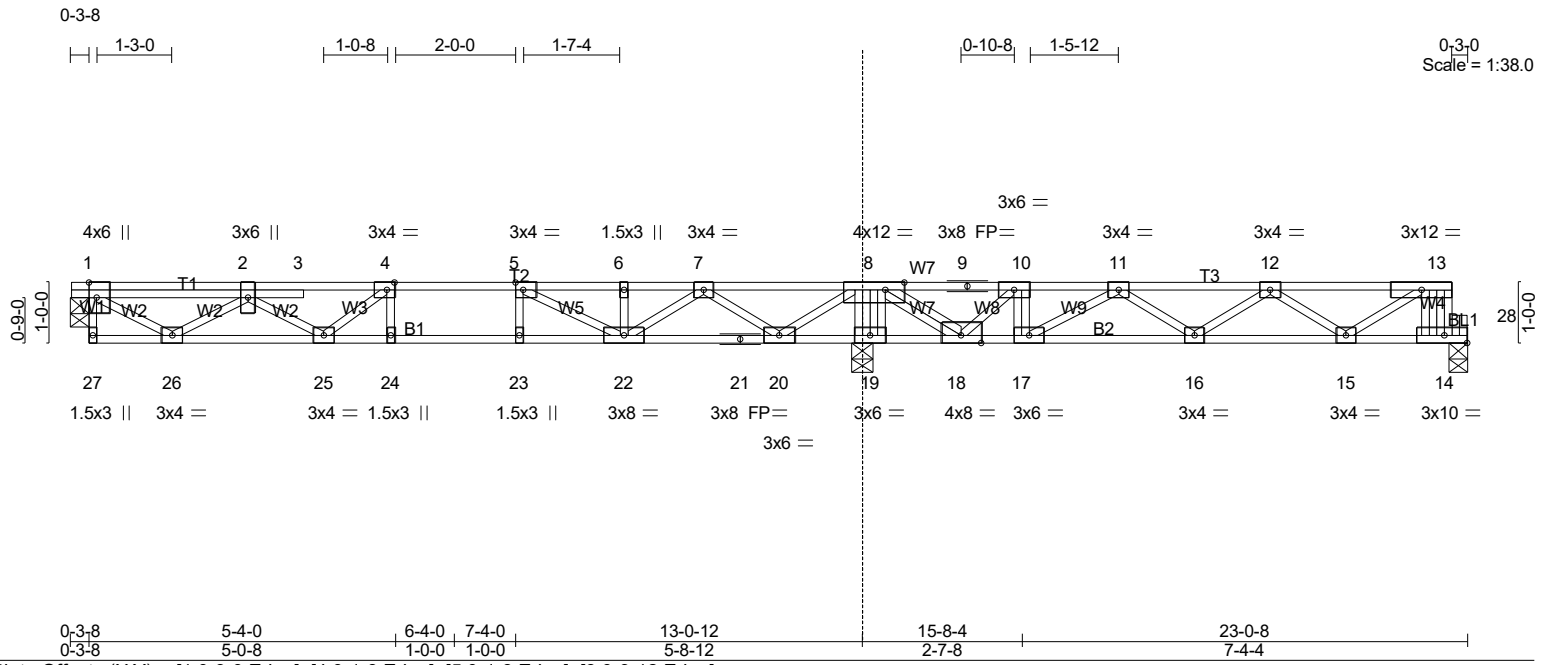


Plate Offsets (X,Y)-- [1:0-3-0,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-3-12,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.06	24-25	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.09	24-25	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.48	Horz(CT)	-0.01	19	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 124 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

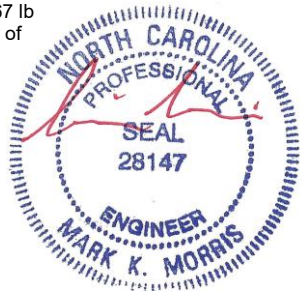
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 14=1279/0-3-8 (min. 0-1-8), 1=351/0-3-8 (min. 0-1-8), 19=1800/0-4-8 (min. 0-1-8)
Max Grav 14=1336(LC 4), 1=396(LC 3), 19=1951(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-28=-1329/0, 13-28=-1334/0, 1-2=-507/0, 2-3=-1116/0, 3-4=-1111/0, 4-5=-1174/71, 5-6=-736/383, 6-7=-736/383, 7-8=0/950, 8-9=-621/486, 9-10=-621/486, 10-11=-1897/67, 11-12=-1636/0, 12-13=-855/0
BOT CHORD 25-26=0/972, 24-25=-71/1174, 23-24=-71/1174, 22-23=-71/1174, 21-22=-582/333, 20-21=-582/333, 19-20=-1717/0, 18-19=-1595/0, 17-18=-67/1897, 16-17=0/1848, 15-16=0/1393
WEBS 8-19=-1931/0, 1-26=0/596, 2-26=-555/0, 8-20=0/980, 7-20=-819/0, 7-22=0/562, 5-22=-712/0, 8-18=0/2018, 10-18=-1719/0, 13-15=0/770, 12-15=-656/0, 12-16=-132/297, 11-16=-259/163, 11-17=-451/56

NOTES- (8)
1) Unbalanced floor live loads have been considered for this design.
2) Load case(s) 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 934 lb down at 15-8-4, and 867 lb down at 22-6-8, and 934 lb down at 13-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard Except:
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-27=-7, 1-13=-67
Concentrated Loads (lb)
Vert: 10=-934(F) 13=-867(F)
11) User defined: Lumber Increase=1.00, Plate Increase=1.00



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Continued on page 2

Warning - Verify design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

LOAD CASE(S)

Uniform Loads (plf)

Vert: 14-27=-7(F), 1-13=-67(F)

Concentrated Loads (lb)

Vert: 8=-934(F) 13=-867(F)

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F117	Floor	1	1	Job Reference (optional) **# 39989**

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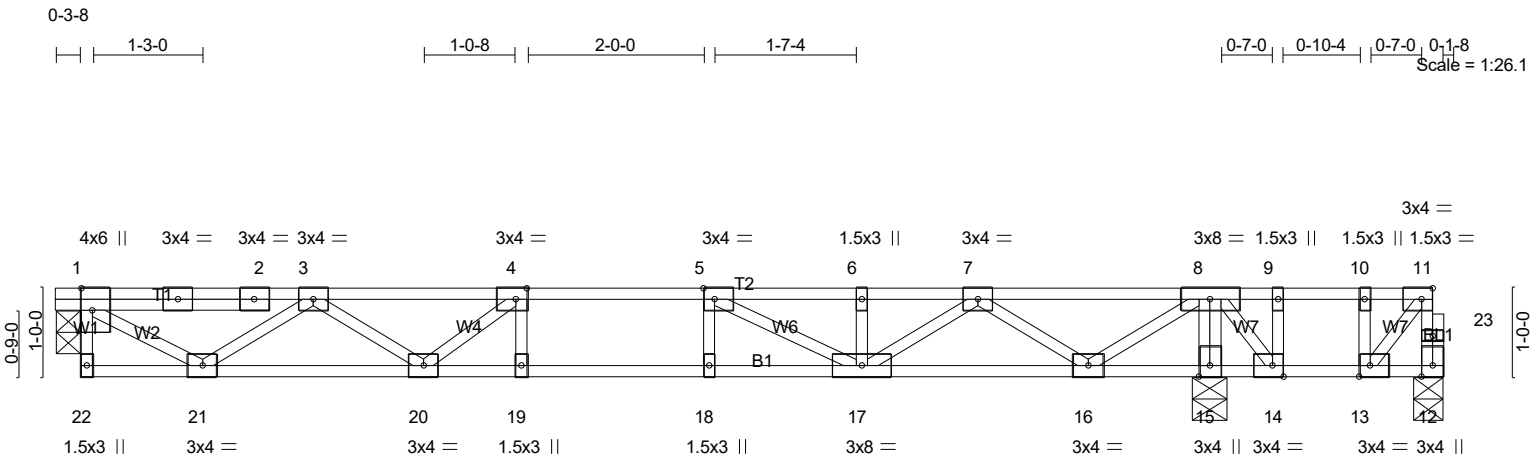

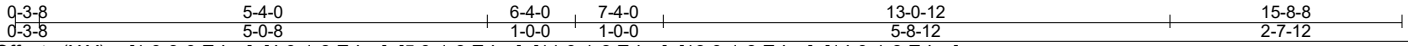

Plate Offsets (X,Y)-- [1:0-3-0,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.07	19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.09	19	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	-0.01	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 81 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 12=-119/0-4-0 (min. 0-1-8), 1=425/0-3-8 (min. 0-1-8), 15=807/0-4-8 (min. 0-1-8)
Max Uplift12=-182(LC 3)
Max Grav 12=30(LC 4), 1=425(LC 10), 15=807(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-23=-9/252, 11-23=-9/252, 1-2=-542/0, 2-3=-540/0, 3-4=-1217/0, 4-5=-1382/0, 5-6=-1041/0, 6-7=-1041/0, 8-9=0/283, 9-10=0/283, 10-11=0/283
BOT CHORD 20-21=0/997, 19-20=0/1382, 18-19=0/1382, 17-18=0/1382, 16-17=0/669, 15-16=-557/0, 14-15=-577/0, 13-14=-283/0
WEBS 8-15=-869/0, 1-21=0/635, 3-21=-559/0, 3-20=0/276, 4-20=-281/0, 8-16=0/763, 7-16=-694/0, 7-17=0/450, 5-17=-462/0, 8-14=0/496, 11-13=-421/0

NOTES- (6)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 12.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F118	FLOOR	5	1	Job Reference (optional) **# 39989**

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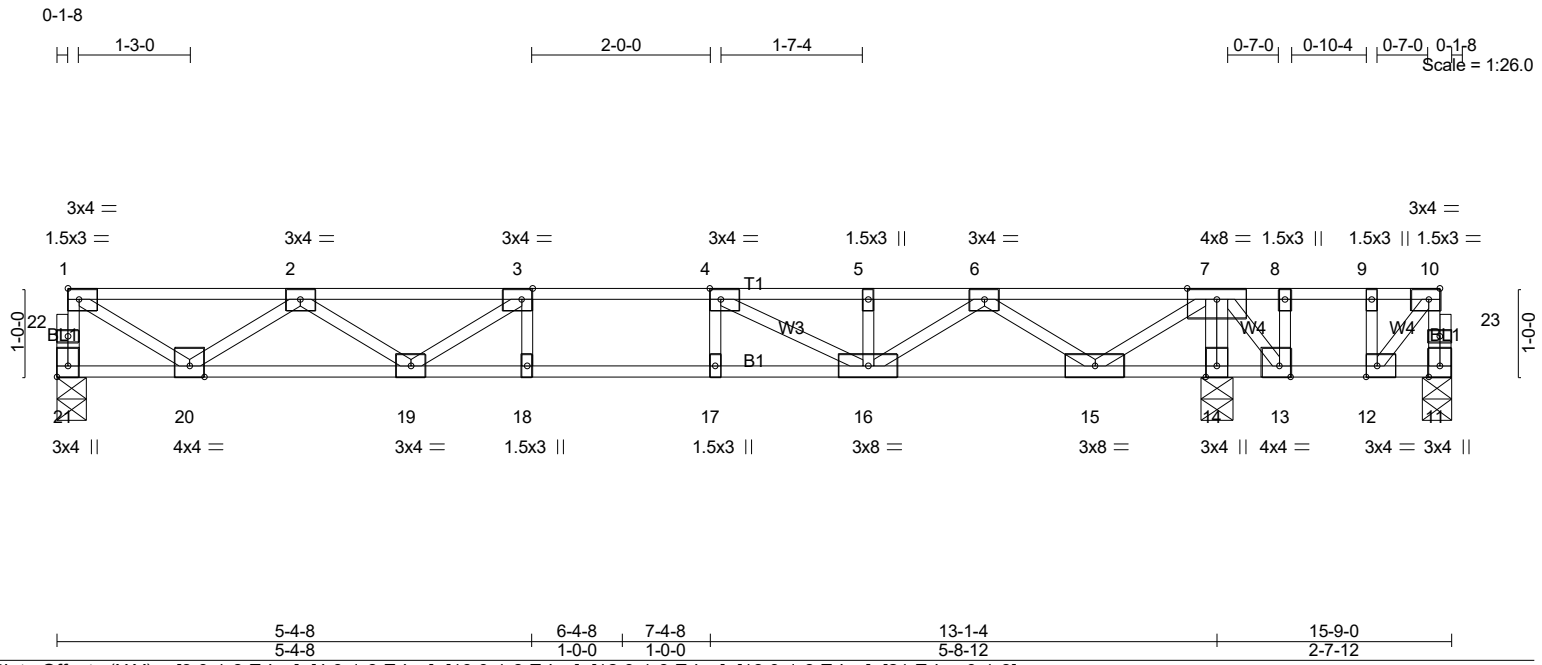

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [21:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.12	18-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.16	18-19	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 21=645/0-4-0 (min. 0-1-8), 11=-187/0-4-0 (min. 0-1-8), 14=1234/0-4-8 (min. 0-1-8)
Max Uplift11=-282(LC 3)
Max Grav21=646(LC 10), 11=43(LC 4), 14=1234(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 21-22=-640/0, 1-22=-639/0, 11-23=-10/390, 10-23=-10/389, 1-2=-853/0, 2-3=-1906/0, 3-4=-2166/0, 4-5=-1601/0, 5-6=-1601/0, 7-8=0/436, 8-9=0/436, 9-10=0/436
BOT CHORD 19-20=0/1596, 18-19=0/2166, 17-18=0/2166, 16-17=0/2166, 15-16=0/1024, 14-15=-856/0, 13-14=-888/0, 12-13=-436/0
WEBS 7-14=-1332/0, 1-20=0/970, 2-20=-907/0, 2-19=0/394, 3-19=-429/0, 7-15=0/1175, 6-15=-1066/0, 6-16=0/697, 4-16=-748/0, 7-13=0/759, 10-12=-649/0, 8-13=-279/0

NOTES- (5)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 11.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F119	GABLE	1	1	Job Reference (optional) **# 39989**

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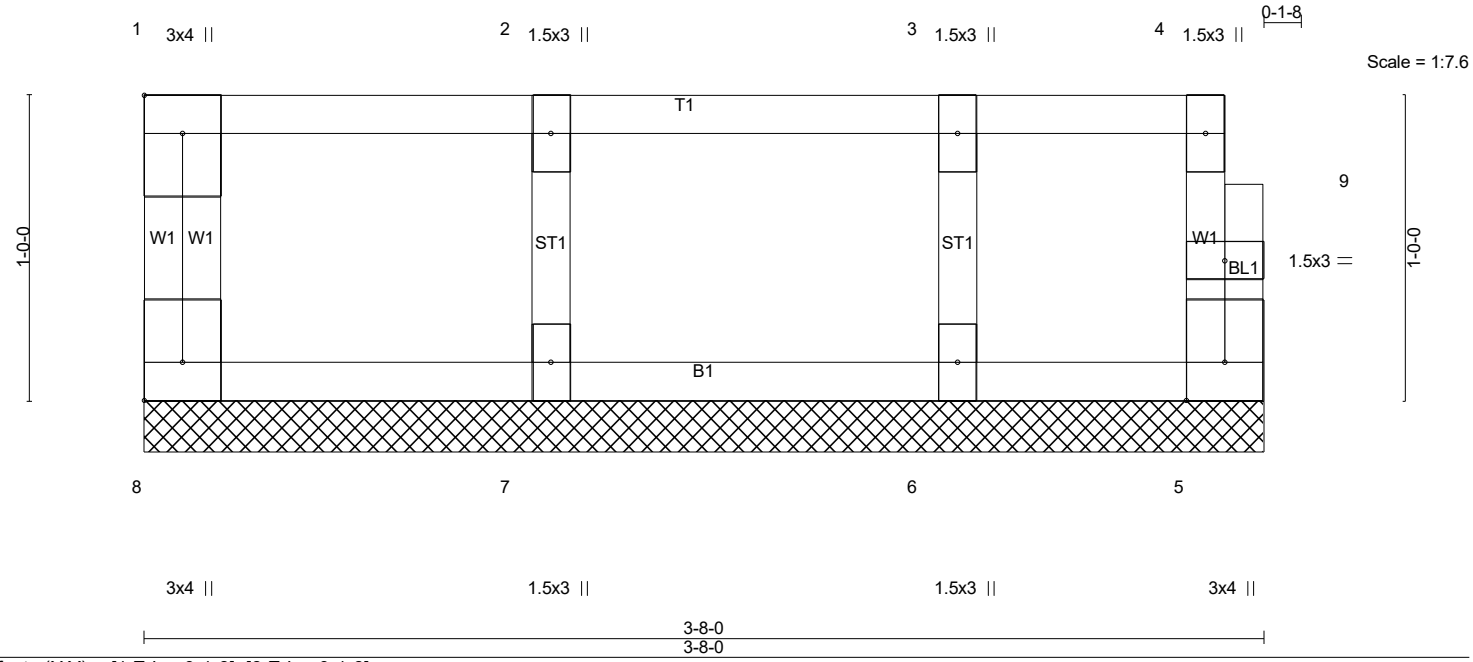

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							Weight: 17 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (6)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F123	Floor	5	1	Job Reference (optional) **# 39989**

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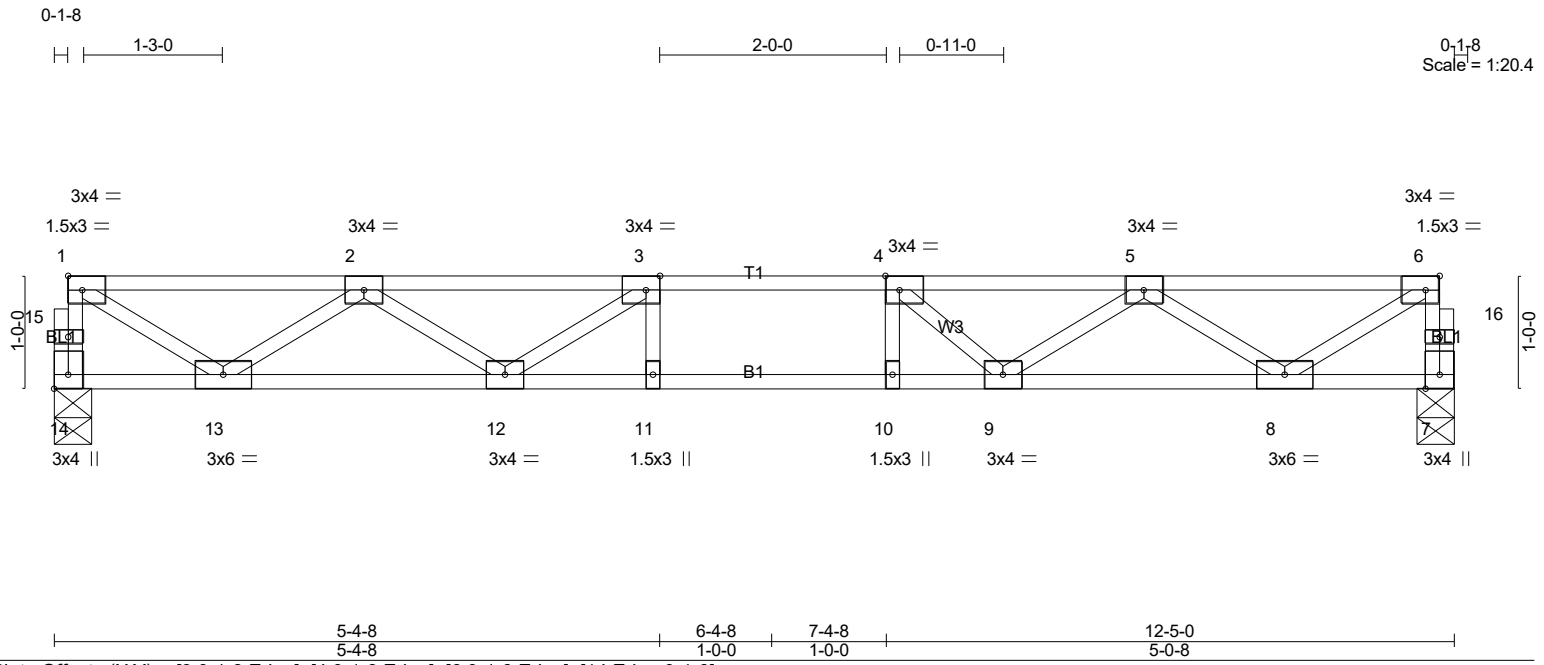

5-4-8	6-4-8	7-4-8	12-5-0
5-4-8	1-0-0	1-0-0	5-0-8

Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.11	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.15	11-12	>987	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 60 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=663/0-4-0 (min. 0-1-8), 7=663/0-4-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 14-15=-657/0, 1-15=-656/0, 7-16=-659/0, 6-16=-657/0, 1-2=-878/0, 2-3=-1980/0, 3-4=-2283/0, 4-5=-1994/0, 5-6=-874/0
BOT CHORD 12-13=0/1642, 11-12=0/2283, 10-11=0/2283, 9-10=0/2283, 8-9=0/1628
WEBS 1-13=0/999, 2-13=-933/0, 2-12=0/440, 3-12=-502/0, 6-8=0/994, 5-8=-921/0, 5-9=0/488, 4-9=-525/0

NOTES- (3)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F124	Floor Supported Gable	1	1	Job Reference (optional) **# 39989**

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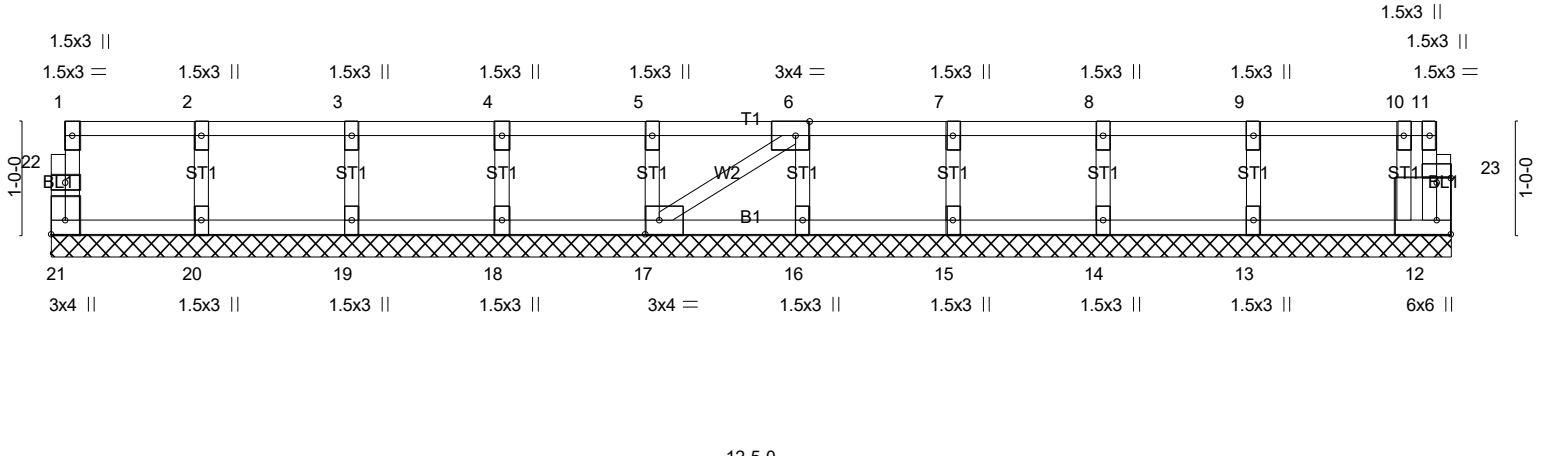

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [12:Edge,0-1-8], [17:0-1-8,Edge], [21:Edge,0-1-8], [23:0-1-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 53 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-5-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 20, 19, 18, 17, 16, 15, 14, 13

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F126	GABLE	2	1	Job Reference (optional) **# 39989**

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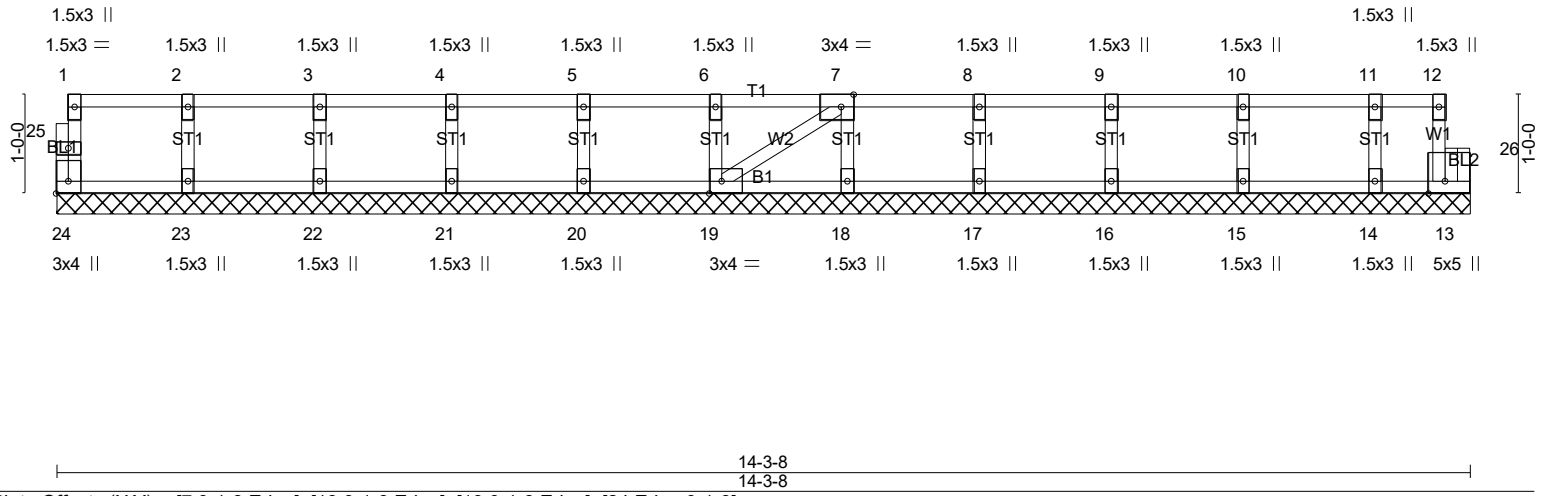

14-3-8
14-3-8

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [13:0-1-8,Edge], [19:0-1-8,Edge], [24:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 59 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES- (5)
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023

Job	Truss	Truss Type	Qty	Ply	LOT 0.0044 HONEYCUTT HILLS | 130 SHELBY MEADOW LANE ANGIER, NC
23-4639-F01	F127	Floor	8	1	Job Reference (optional) **# 39989**

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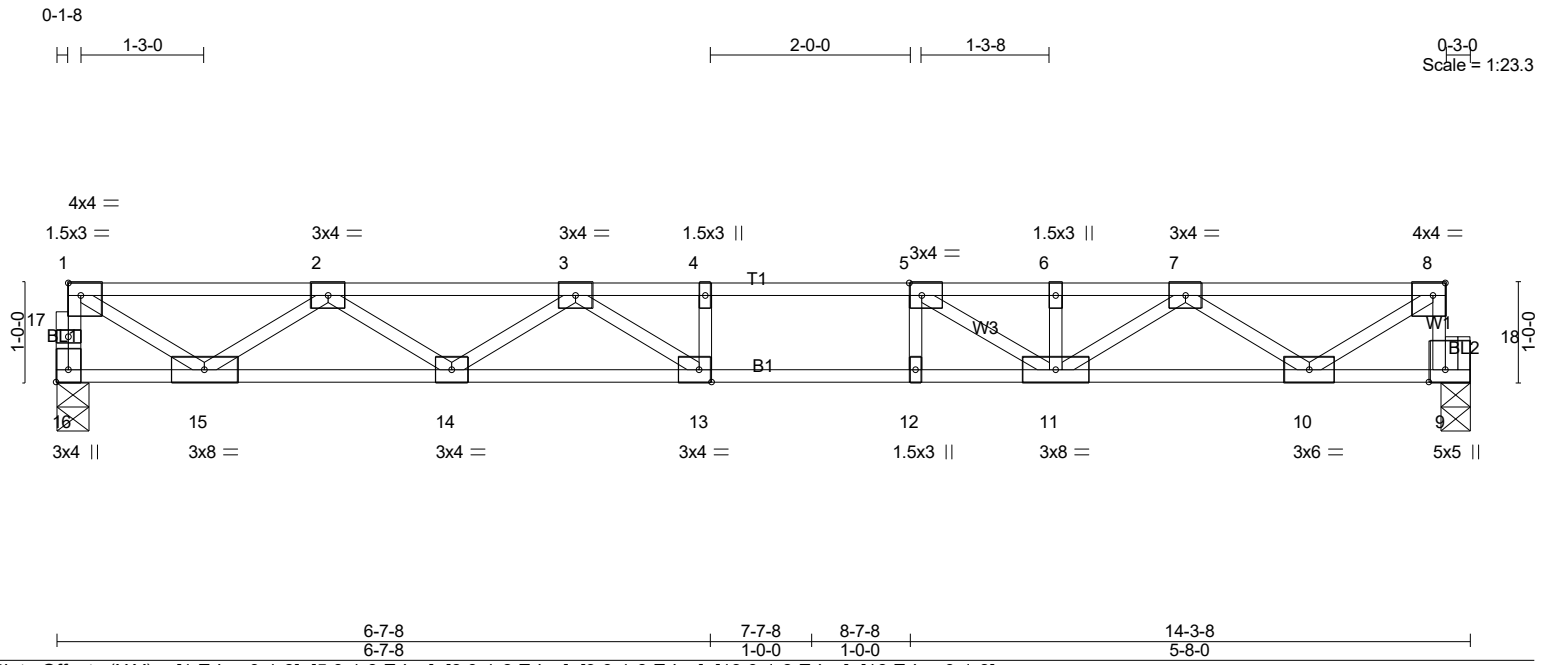

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [13:0-1-8,Edge], [16:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.18	13-14	>926	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.25	13-14	>671	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-SH							Weight: 69 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=763/0-4-0 (min. 0-1-8), 9=756/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-756/0, 1-17=-754/0, 9-18=-750/0, 8-18=-753/0, 1-2=-1030/0, 2-3=-2428/0, 3-4=-3002/0, 4-5=-3002/0, 5-6=-2480/0, 6-7=-2480/0, 7-8=-1073/0
BOT CHORD 14-15=0/1938, 13-14=0/2860, 12-13=0/3002, 11-12=0/3002, 10-11=0/1957
WEBS 1-15=0/1173, 2-15=-1108/0, 2-14=0/598, 3-14=-528/0, 3-13=-93/483, 8-10=0/1161, 7-10=-1079/0, 7-11=0/629, 5-11=-819/0

NOTES- (3)
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Trusses designed with 2018 IRC also comply with 2015 IRC.

LOAD CASE(S) Standard

7/13/2023